Applicant(s)/Patent under Reexamination Application/Control No. Index of Claims 10/674,866 BARTFAI ET AL. Examiner Art Unit Amine Riad 2113 (Through numeral) Cancelled Rejected Non-Elected **Appeal** N Α 0 Allowed Restricted Interference Objected

| Cla          | aim      | Date           |  |         |         |         |         |   | Date            |          |         |          |          |          |          | ]             | Claim    |          |          | Date    |          |             |            |   |  |              |  |          |          |          |          |          |
|--------------|----------|----------------|--|---------|---------|---------|---------|---|-----------------|----------|---------|----------|----------|----------|----------|---------------|----------|----------|----------|---------|----------|-------------|------------|---|--|--------------|--|----------|----------|----------|----------|----------|
|              | <u>-</u> | _              |  |         |         |         |         |   |                 |          |         | <u> </u> |          |          |          | Ī             |          |          |          |         |          |             | 31         |   |  |              |  |          | $\neg$   |          |          | $\neg$   |
| Final        | Original | 4/19/06        |  | 1       | 1       |         |         |   |                 | Final    |         | Original |          |          |          |               |          |          |          |         | ı        | Final       | Original   |   |  |              |  |          |          |          |          | - 1      |
| ΙĒ           | Ĕ        | \$             |  |         |         |         |         | 1   | .               | i=       |         | ĔΊ       |          | ı        |          |               |          |          |          |         |          | ΙĒ          | Ę          |   |  |              |  |          |          |          | İ        | -        |
|              |          | Ľ              | ll   |         |         |         |         |   | Ш               | L        |         |          |          |          |          |               |          |          | _[       | ╽.      | ╛        |             | ٥          |   |  |              |  |          |          |          |          |          |
|              | 1        | 1              |  |         |         |         |         |   |                 |          |         | 51       |          |          |          |               |          |          |          |         | ]        |             | 101        |   |  |              |  |          |          |          |          |          |
|              | 2        | 1              |  |         | $\perp$ |         |         |   |                 |          |         | 52       |          |          |          |               |          |          |          | 丄       | ]        |             | 102        |   |  |              |  |          |          |          |          |          |
|              | 3        | 1              |  |         |         |         |         |   |                 |          |         | 53       |          |          |          |               |          | $\perp$  |          |         | ]        |             | 103        |   |  |              |  |          |          | $\Box$   | $\Box$   |          |
|              | 4        | 1              |  |         |         | $\perp$ |         |   |                 |          |         | 54       | $\Box$   |          | $\perp$  |               |          |          | $\perp$  |         |          |             | 104        |   |  |              |  |          |          |          |          |          |
|              | 5        | 1              |  |         |         |         |         |   | Ш               |          | $\perp$ | 55       |          |          |          |               |          |          |          |         |          |             | 105        |   |  |              |  |          |          |          |          |          |
|              | 6        | 1              |  | $\perp$ | $\perp$ | $\perp$ | $\perp$ |   | Ш               |          |         | 56       | $\perp$  |          | $\perp$  |               | $\perp$  | $\perp$  | $\perp$  | ┸       | _[       |             | 106        |   | Ш  |              | Ш  | Ш        |          | $\perp$  | _        | Ц        |
|              | 7        | 0              |  |         | $\perp$ |         |         |   | Ш               |          |         | 57       |          | $\perp$  | _        |               |          | $\perp$  | $\perp$  |         | _        | <u></u>     | 107        |   |  |              |  |          | _        | _        | _        | _        |
|              | 8        | √              |  |         | $\perp$ |         |         |   | Ш               | <u> </u> |         | 58       |          | $\perp$  |          | $\perp$       |          | $\perp$  | $\perp$  |         | 1        |             | 108        |   |  |              |  |          |          | _        | _        |          |
|              | 9        | √              |  | L       |         |         | $\bot$  |   | Ш               |          |         | 59       |          | $\perp$  |          |               |          | $\perp$  | $\perp$  | _ _     | ]        |             | 109        |   |  |              |  |          |          | $\Box$   | $\dashv$ | _        |
|              | 10       | 1              |  | $\perp$ |         | $\bot$  | ┸       | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ | Ш               | <u> </u> |         | 60       | _        | $\perp$  |          | _             | _        | _        |          | $\perp$ | 1        |             | 110        |   | Ш  |              |  |          |          | _        | _        | ᆜ        |
| L            | 11       | Ō              |  |         | _       |         | _ _     |   | Ш               |          |         | 61       | _        | $\perp$  | $\perp$  | _             |          | _        | _ _      | _ _     |          | <u></u>     | 111        |   | Ш  | $\Box$       | Ш  | Ш        | _        | _        | _        | $\Box$   |
| L            | 12       | 1              | oxdot  | $\perp$ | _       | $\perp$ | $\perp$ |   | Ш               |          |         | 62       | $\perp$  | $\perp$  | $\perp$  | _             | $\perp$  | $\perp$  | ᆚ        | $\perp$ | _        |             | 112        |   | Ш  |              | Ш  | Ш        |          | $\perp$  |          | $\Box$   |
|              | 13       | 1              | $\vdash$   | 4_      | $\bot$  | 4       |         |   | Ш               | <u> </u> |         | 63       | _        | $\perp$  | _        | _             | _        |          | $\perp$  | $\perp$ | 1        | <u></u>     | 113        |   | $\square$  | $\Box$       |  | Ш        |          | _        | _        | 凵        |
|              | 14       | 1              | $\sqcup \!\!\! \perp$                            |         | ┸       | 4       | 4       | 4_  | Щ               | <u> </u> |         | 64       | _        |          | $\dashv$ | _             | _        | 4        | _        | 4       | 1        |             | 114        |   | Ш  | Ш            | Ш  | Ш        |          | _        | _        | ᆚ        |
|              | 15       | 0              | $\sqcup \!\!\! \perp$                            | 4       | ┸       | $\bot$  | $\bot$  |   | Ш               | <u> </u> |         | 65       | _        | _        | _        | $\dashv$      | _        | _        |          | _       | 4        | <u></u>     | 115        | L.,   | Щ  | L_           | Ш  | Ш        |          | _        |          | $\dashv$ |
|              | 16       | 0              | $\sqcup \bot$                                    | 4       | 1       | 4       | 4       | $\perp$   | Щ               | <u> </u> |         | 66       | $\dashv$ | $\perp$  | $\perp$  | $\dashv$      | $\dashv$ | $\dashv$ | $\perp$  | $\perp$ | 4        | <u></u>     | 116        |   | Щ  |              | Ш  | Щ        |          |          | $\dashv$ | _        |
|              | 17       | 0              |  | 4       | $\perp$ | 4       | 4       | 4_  | Ш               | _        |         | 67       | _        | 4        | _        | _             |          | $\perp$  | 4        |         | 1        | <u> </u>    | 117        | $ldsymbol{ld}}}}}}$ | Ш  |              | Ш  | Щ        |          | _        |          | $\dashv$ |
|              | 18       | 1              |  | _       | ┸       | $\perp$ |         | <b>_</b>  | Ш               | ļ        | $\perp$ | 68       | _        | _        | _        | _             | _        | _        | 4        | _ _     | 4        | <u></u>     | 118        |   | Ш  | _            | $oxed{oxed}$                                     |          |          | _        | _        | _        |
|              | 19       | 1              |  | $\bot$  | ┸       | $\perp$ | 4       | 4_  | Ш               |          |         | 69       | $\dashv$ | 4        | $\perp$  | $\dashv$      | $\dashv$ | 4        | 4        |         | 1        |             | 119        |   | Ш  | _            | Щ  | Ш        | $\dashv$ | $\dashv$ | $\dashv$ | ᆜ        |
|              | 20       | 1              |  | $\perp$ | $\perp$ | $\bot$  | $\perp$ | $\bot$  | Щ               |          |         | 70       | $\perp$  | $\perp$  | $\perp$  | $\rightarrow$ | $\dashv$ | $\dashv$ | 4        | $\bot$  | 1        | <u></u>     | 120        |   | Щ  |              | Щ  |          | $\dashv$ | _        | $\dashv$ | _        |
|              | 21       | 1              |  | $\bot$  | $\perp$ | $\bot$  | ┸       | $\bot$  | Ш               |          |         | 71       | 4        | _        | $\perp$  | $\dashv$      | $\dashv$ | $\dashv$ | $\dashv$ | $\bot$  | 4        |             | 121        |   | Щ  |              | Щ  | Щ        | _        | $\dashv$ | $\dashv$ | $\dashv$ |
|              | 22       | 1              |  | 4       | ┸       | 1       | 4       | ļ   | Ш               | _        |         | 72       | _        | _        | 4        | 4             | 4        | _        | 4        |         | 4        |             | 122        |   |  |              | L.,  |          |          | _        | $\dashv$ | ᆜ        |
|              | 23       | V              | _ _  | 4-      | 4       | 4       | 4       |   | Ш               | _        |         | 73       | _        | _        | 4        | _             | _        | _        | _        | - -     | 4        | <u> </u>    | 123        |   | _  | _            | L  |          | _        | 4        | _        | _        |
|              | 24       | V              |  | 4       | 4       | _       |         | $\bot$  | Ш               | _        |         | 74       | _        | _        | 4        | 4             | 4        | _        | 4        |         | 4        |             | 124        |   | Щ  | _            |  |          | 4        | _        | 4        | _        |
|              | 25       | 1              | _  | $\perp$ | 4-      | -       | -       | _   | Ш               | -        |         | 75       | -        | 4        | 4        | _             | -        | -        | _        | - -     | 4        |             | 125        |   | _  | _            | _  |          | _        | -        | _        | ᅴ        |
|              | 26       | 0              |  | 4-      | +       | 4       | 4       | ╄   | Н               |          | 4       | 76       | -        |          | 4        | 4             | _        | -+       | +        | -       | 4        |             | 126        | _   |  | _            |  | _        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|              | 27       | 1              | <del>                                     </del> | 4-      | 4       | 4       | -       |   | Ш               |          |         | 77       | -        |          |          | 4             | -        | $\dashv$ |          |         | 4        |             | 127        |   | Н  |              |  |          | _        | $\dashv$ | 4        |          |
| <u> </u>     | 28       | 1              | $\vdash$   | +       | +       | +       | +       | +   | Н               | <u> </u> | +       | 78       | 4        | $\dashv$ | 4        | $\dashv$      | -        | $\dashv$ | -        | +       | ┨        |             | 128        |   | Н  |              |  | _        |          | $\dashv$ | -        | _        |
| <u> </u>     | 29       | 1              | $\vdash$   | +       | +       | +       | +       | +   | Н               | -        |         | 79       | 4        | $\dashv$ | 4        | 4             | $\dashv$ | $\dashv$ | +        | +       | ┨        | -           | 129        | _   | Н  | <u> </u>     |  |          | $\dashv$ | $\dashv$ | -        | _        |
|              | 30       | 0              | $\vdash$   | +       | +       | +       | +       | +   | Ш               | <u> </u> |         | 80       | 4        | $\dashv$ | 4        | 4             | $\dashv$ | $\dashv$ | +        | +       | 4        | <u> </u>    | 130        | $\vdash$  |  | <u> </u>     |  | Щ        | _        | $\dashv$ | $\dashv$ |          |
| <u> </u>     | 31       | <u> </u>       | $\vdash \vdash$                                  | +       | +       | 4       | -       | +   | $\square$       | <u> </u> | $\perp$ | 81       | 4        |          |          |               |          | _        | -        | 4-      | 4        | <u></u>     | 131        | ļ   | <u> </u>   | <u> </u>     |  |          | _        | $\dashv$ | $\dashv$ | _        |
| <u> </u>     | 32       | $\vdash$       | $\vdash \vdash$                                  | +       | +       | +       | +       | +   | Щ               | <u> </u> |         | 82       | $\dashv$ | +        | +        | -+            |          | +        | -+       | +       | 4        | -           | 132        | <u> </u>  | <u> </u>   | <u> </u>     | <u> </u>   |          |          | $\dashv$ | -        | ᅴ        |
|              | 33       | -              | $\vdash \vdash$                                  | +       | +       | +       | +       | +   | H               | <u> </u> |         | 83       | +        | +        | $\dashv$ | -4            |          | $\dashv$ | +        | +       | 4        | -           | 133        | <u> </u>  | -  | -            | <u> </u>   | $\vdash$ |          | $\dashv$ | -        | _        |
| <u> </u>     | 34       | ⊢              | <del>                                     </del> | - -     | +       | +       | ┿       | +   | H               |          | +       | 84<br>85 | -+       |          | -        |               |          | +        | +        | +       | 4        | -           | 134        | -   | $\vdash$   | -            | $\vdash$   |          | -        | $\dashv$ | $\dashv$ | $\dashv$ |
| -            | 35       | ├              | $\vdash\vdash$                                   | +       | +       | +       | +       | +   | $\vdash$        | -        |         | 86       | -        |          | $\dashv$ | $\dashv$      | -+       | $\dashv$ | $\dashv$ | +       | -        | <del></del> | 135        | <u> </u>  | -  | H            | $\vdash$   | Н        | -        | $\dashv$ | $\dashv$ | $\dashv$ |
| ⊢            | 36       | ├              | <del>                                     </del> | +       | +       | +       | +       | +   | H               | -        |         |          | -+       | +        | $\dashv$ | +             |          | $\dashv$ | +        | +       | -        | -           | 136        | $\vdash$  | $\vdash$   | $\vdash$     | $\vdash$   | Н        |          | $\dashv$ | $\dashv$ | ᅴ        |
| $\vdash$     | 37       | <del> </del> — |  | +       | +       | +       | +       | +   | H               | -        |         | 87<br>88 |          | +        |          | $\dashv$      | $\dashv$ | +        | $\dashv$ | +       | ┨        |             | 137<br>138 | -   | $\vdash$   | <u> </u>     | -  | $\vdash$ |          | $\dashv$ | +        | ᅴ        |
| <u> </u>     | 38<br>39 | $\vdash$       | <del>   -</del>                                  | +       | +       | +       | +-      | +   | $\vdash \vdash$ | -        |         | 89       | $\dashv$ | $\dashv$ |          | $\dashv$      | $\dashv$ | $\dashv$ | +        | - -     | ┨        | -           | 138        | $\vdash$  | $\vdash$   | <del> </del> | $\vdash$   | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u>     | 40       |                | ├─├-   | +-      | +       | +       | +-      | +-  | H               |          |         | 90       | -        | +        | -+       | $\dashv$      | -        | $\dashv$ | +        | +       | $\dashv$ | -           | 140        | <del> </del>  | $\vdash$   | <del> </del> | $\vdash$   | $\vdash$ | -        | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u>     |          | $\vdash$       | $\vdash$   | +       | +       | +       | +       | +   | Н               | -        |         | 91       |          | +        | +        | $\dashv$      | $\dashv$ | +        | $\dashv$ |         | -        | -           | 141        | $\vdash$  | <del>                                     </del> | <u> </u>     | $\vdash$   | Н        |          |          | +        | $\dashv$ |
| <del> </del> | 41<br>42 | ⊢              |  | +       | +       | +       | +       | +   | Н               | -        | +       | 92       | -        | $\dashv$ | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ | +        | +       | $\dashv$ | -           | 141        |   |  | $\vdash$     |  | $\vdash$ |          | $\dashv$ | $\dashv$ | $\dashv$ |
| <del> </del> | 42       | $\vdash$       | $\vdash$   | +       | +       | +       | +       | +   | H               | -        | +       | 93       |          | +        | $\dashv$ | $\dashv$      | -+       | $\dashv$ | +        | +       | ┨        | $\vdash$    | 143        | $\vdash$  |  | -            | -  |          | -        | $\dashv$ | $\dashv$ |          |
| <u> </u>     | 44       | -              | $\vdash$   | +       | +       | +       | +       | +   | H               | $\vdash$ |         | 94       | $\dashv$ | $\dashv$ | $\dashv$ | -+            | -+       | $\dashv$ | $\dashv$ | +       | ┨        | -           | 144        | $\vdash$  |  | $\vdash$     | $\vdash$   | Н        | $\dashv$ | $\dashv$ | $\dashv$ | ᅴ        |
| ⊢            | 45       | -              | <del>                                     </del> | +       | +       | +       | +       | +   | Н               | $\vdash$ |         | 95       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ | +        | +       | +        | -           | 145        | $\vdash$  |  | -            | -  | Н        |          | $\dashv$ | -+       | ᅴ        |
| -            | 46       | $\vdash$       | $\vdash$   | +       | +       | +       | +       | +   | $\vdash$        | -        | +       | 96       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ | $\dashv$ | +-      | -        | -           | 145        | $\vdash$  | $\vdash$   | $\vdash$     | <del>                                     </del> | Н        | $\dashv$ | $\dashv$ | {        | ᅱ        |
| $\vdash$     | 47       | $\vdash$       | $\vdash$   | +       | +       | +       |         | +   | $\vdash \vdash$ | -        |         | 97       | $\dashv$ | +        | $\dashv$ | $\dashv$      |          | +        | +        | +       | -        | -           | 147        | $\vdash$  | -  | ┝            | $\vdash$   | Н        | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        |
| <u> </u>     | 47       | -              | ├├-  | ╁       | +       | +       | +       | +   | $\vdash \vdash$ | -        | -       | 98       | $\dashv$ | +        | +        | -             | -+       | -+       | +        | +       | +        | -           | 148        | $\vdash$  | $\vdash$   |              | -  | $\vdash$ | $\dashv$ | $\dashv$ | -+       | 一        |
| <del></del>  | 49       | $\vdash$       | <del>                                     </del> | +       | +       | ╫       | +       | -   | H               | -        | +       | 99       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      | -+       | $\dashv$ | +        | +-      | ┨        | -           | 149        | ├-  |  | ┝            | ⊢  | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | 一        |
| <del></del>  | 50       | -              | <del>                                     </del> | +       | +       | +       | +       | +   | -               | -        |         | 100      | $\dashv$ | $\dashv$ | -        | -+            | -        | -        | +        | +       | +        | -           | 150        | $\vdash$  | $\vdash$   | ├            | $\vdash$   | $\vdash$ | $\dashv$ | -        | $\dashv$ | $\dashv$ |
| <u> </u>     | DU       |                |  |         |         |         | _L_     |   | لـــا           |          | Ľ       | 100      |          |          |          |               |          |          |          |         | J        | L           | 100        | Щ.  |  |              | Щ  |          | لـــا    |          |          |          |